

Editorial Index

Modern Paint and Coatings

Volume 78 — 1988

Numbers 1-12

A

Acrylic Resins Perform in Automotive Refinishes — Joyce E. Nylund	Nov 56
ACS Introduces New MSDS Program ...	Feb 52
Aerospace Coatings Must Meet Air Quality and Aesthetic Demands — Gary Fujihara	Sept 28
Air Products and Chemicals Inc. Increases Prices	May 40
Akzo Coatings Expands Headquarters Facility	July 14
Akzo Expands Michigan Facility	Aug 16
Alkoxo Titanates and Zirconates As Corrosion Inhibitors — Gerald Sugerman and Salvatore J. Monte	June 50
Americans Choose Red, White and Blue ARCHER, WESLEY L.	Nov 16
Finishers and Paint Formulators Can Use 1,1,1-Trichloroethane	July 43
The Versatility of Polyurethane Coatings	Oct 142
ARCO Chemical Boosts U.S. PO Capacity	Apr 35
ARCO 1988 Earnings Good for First Quarter	July 16
ARCO Chemical Plans Butanediol Plant Ashland Chemical Co. Acquires Water Treatment Business	Oct 16
ASTM Meeting Focuses On Coating Adhesion	June 30
ASTM Workshop Planned About Paint VOC Tests	Dec 14
Atlantic Industries Expands Manufacturing Capabilities	June 12
AUCHMUTEY, PAM	May 42
Regulations Still Stir Production and Profits	Jan 26
Auto Coatings — Rolling Along	July 4
AUTHORS	
Archer, Wesley L.	July 43
Auchmutey, Pam	Oct 142
Barnett, John E.	Jan 26
Bartlett, Philip L.	May 56
Beury, Kim	Apr 70
Blomquist, C.N.	Apr 82
Bocchi, Greg	Apr 74
Borst, Donald V.	June 49
Callais, Peter A.	Sept. 39
Claugus, Thomas E.	Sept. 41
Danneman, Jeffrey	Jan 38
Dombrowski, Stanley L.S.	Feb 28
Dube, Normand A.	Jan 36
Duggan, Gerald	Jan 32
Fujihara, Gary	June 32
Gardner, Donald M.	Sept 28
Giancy, C.W.	Dec 44
Ginsberg, Thomas	Mar 35
Gunter, Wolfgang	Nov 32
	June 40

Editor's Note: The following index provides an alphabetical listing of feature articles and selected department items published in *Modern Paint and Coatings* magazine in 1988. Feature articles are indexed four ways: by title and author; author; author and title; and cross-referenced by primary subject matter.

"Industry News" items also are listed alphabetically throughout the index.

Items that appeared in "Business Activity Indicators," "Editorial," "International Review," "Litera-

ture," "Materials and Equipment," "New End Products" and "Patents" are listed alphabetically under those department headings. Items that appeared in "Activity Index" are listed under "Mergers and Acquisitions."

Items in special sections such as May's "Production Equipment" and October's "Paint Show in Print" are listed alphabetically under the section heading.

Index entries are followed by the month and page number of the issue in which the item appeared.

AUTHORS (Continued)

Houghton, Diana	Feb 42
Kamath, Vasanth R.	Sept 41
Kronstein, Max	Nov 40
Lednicki, Randy	June 62
Lockwood, Kevin A.	July 36
Loh, Laurence	Aug 56
Marcellus, John E.	Feb 32
Martin, Lee	Apr 58
Mirgel, Volker	July 33
Moles, Peter J.	Feb 36
Montanari, Fred W.	Aug 52
Monte, Salvatore J.	June 50
Muhlenkamp, Mack	Nov 52
Nylund, Joyce E.	Nov 56
Pilcher, George R.	June 34
Powell, Kathy L.	May 56
Richardson, Frank B.	Apr 84
Russell, Lee C.	June 67
Sargent, James D.	Sept 41
Shannon, W. Richard	Jan 34
Stevens, Violet L.	June 62
Storey, Robson F.	Feb 32
Sugerman, Gerald	June 50
Sweet, Jack	Apr 64
Wickham, Steven R.	July 36

B

BARNETT, JOHN E.	
Water-Borne Epoxy Resins: A Versatile Formulating Tool	May 56
BARTLETT, PHILIP L.	
New Propellants Reduce Risk Factors In Aerosol Paints	Apr 70
BASF Coatings & Inks Division Acquires Treatment Technology from Widger Chemical Co.	June 30
BASF Corp. Announces 1987 Sales Results	June 30
BASF Expands Capacity of Neopentyl Glycol	Apr 35
BASF Forms Partnership With Chemetall GmbH	Sept 12
Basic Chemicals Completes Capital Improvement Program	May 42
Battelle Building New Hydrothermal Facility	May 16
Bechtel To Develop Dutch TiO ₂ Project	Sept 12
Benjamin Moore Offers Color Matching Computer	May 14
BEURY, KIM	
Tin-Based Paint Ban Is About To Become Law	Apr 82

Editorial Index

Modern Paint and Coatings

Volume 78 — 1988

Numbers 1-12

A

Acrylic Resins Perform in Automotive Refinishes — Joyce E. Nylund	Nov 56
ACS Introduces New MSDS Program ...	Feb 52
Aerospace Coatings Must Meet Air Quality and Aesthetic Demands — Gary Fujihara	Sept 28
Air Products and Chemicals Inc. Increases Prices	May 40
Akzo Coatings Expands Headquarters Facility	July 14
Akzo Expands Michigan Facility	Aug 16
Alkoxo Titanates and Zirconates As Corrosion Inhibitors — Gerald Sugerman and Salvatore J. Monte	June 50
Americans Choose Red, White and Blue ARCHER, WESLEY L.	Nov 16
Finishers and Paint Formulators Can Use 1,1,1-Trichloroethane	July 43
The Versatility of Polyurethane Coatings	Oct 142
ARCO Chemical Boosts U.S. PO Capacity	Apr 35
ARCO 1988 Earnings Good for First Quarter	July 16
ARCO Chemical Plans Butanediol Plant	Oct 16
Ashland Chemical Co. Acquires Water Treatment Business	June 30
ASTM Meeting Focuses On Coating Adhesion	Dec 14
ASTM Workshop Planned About Paint VOC Tests	June 12
Atlantic Industries Expands Manufacturing Capabilities	May 42
AUCHMUTEY, PAM	
Regulations Still Stir Production and Profits	Jan 26
Auto Coatings — Rolling Along	July 4
AUTHORS	
Archer, Wesley L.	July 43
Auchmutey, Pam	Oct 142
Barnett, John E.	Jan 26
Bartlett, Philip L.	May 56
Beury, Kim	Apr 70
Blomquist, C.N.	Apr 82
Bocchi, Greg	Apr 74
Borst, Donald V.	June 49
Callais, Peter A.	Sept. 39
Claugus, Thomas E.	Sept. 41
Danneman, Jeffrey	Jan 38
Dombrowski, Stanley L.S.	Feb 28
Dube, Normand A.	Jan 36
Duggan, Gerald	Jan 32
Fujihara, Gary	June 32
Gardner, Donald M.	Sept 28
Giancy, C.W.	Dec 44
Ginsberg, Thomas	Mar 35
Gunter, Wolfgang	Nov 32
	June 40

Editor's Note: The following index provides an alphabetical listing of feature articles and selected department items published in *Modern Paint and Coatings* magazine in 1988. Feature articles are indexed four ways: by title and author; author; author and title; and cross-referenced by primary subject matter.

"Industry News" items also are listed alphabetically throughout the index.

Items that appeared in "Business Activity Indicators," "Editorial," "International Review," "Litera-

ture," "Materials and Equipment," "New End Products" and "Patents" are listed alphabetically under those department headings. Items that appeared in "Activity Index" are listed under "Mergers and Acquisitions."

Items in special sections such as May's "Production Equipment" and October's "Paint Show in Print" are listed alphabetically under the section heading.

Index entries are followed by the month and page number of the issue in which the item appeared.

AUTHORS (Continued)

Houghton, Diana	Feb 42
Kamath, Vasanth R.	Sept 41
Kronstein, Max	Nov 40
Lednicki, Randy	June 62
Lockwood, Kevin A.	July 36
Loh, Laurence	Aug 56
Marcellus, John E.	Feb 32
Martin, Lee	Apr 58
Mirgel, Volker	July 33
Moles, Peter J.	Feb 36
Montanari, Fred W.	Aug 52
Monte, Salvatore J.	June 50
Muhlenkamp, Mack	Nov 52
Nylund, Joyce E.	Nov 56
Pilcher, George R.	June 34
Powell, Kathy L.	May 56
Richardson, Frank B.	Apr 84
Russell, Lee C.	June 67
Sargent, James D.	Sept 41
Shannon, W. Richard	Jan 34
Stevens, Violet L.	June 62
Storey, Robson F.	Feb 32
Sugerman, Gerald	June 50
Sweet, Jack	Apr 64
Wickham, Steven R.	July 36

B

BARNETT, JOHN E.	
Water-Borne Epoxy Resins: A Versatile Formulating Tool	May 56
BARTLETT, PHILIP L.	
New Propellants Reduce Risk Factors In Aerosol Paints	Apr 70
BASF Coatings & Inks Division Acquires Treatment Technology from Widger Chemical Co.	June 30
BASF Corp. Announces 1987 Sales Results	June 30
BASF Expands Capacity of Neopentyl Glycol	Apr 35
BASF Forms Partnership With Chemetall GmbH	Sept 12
Basic Chemicals Completes Capital Improvement Program	May 42
Battelle Building New Hydrothermal Facility	May 16
Bechtel To Develop Dutch TiO ₂ Project	Sept 12
Benjamin Moore Offers Color Matching Computer	May 14
BEURY, KIM	
Tin-Based Paint Ban Is About To Become Law	Apr 82

BLOMQUIST, C.N.	
Low VOC Modifiers Improve Urethane Coatings	Apr 74
BLP Mobile Paints Honored	Apr 36
BIOCCHI, GREG	
Technical Advances Spur Growth Of Powder Coatings Industry	June 49
BORST, DONALD V.	
The Outlook for Titanium Dioxide? Bright and Getting Brighter	Sept 39
BUSINESS ACTIVITY INDICATORS	
Slow Start for 1988	Jan 20
Sluggish Growth Expected	Feb 22
Factory Output Up	Mar 20
Dim Outlook for Housing	Apr 44
Slower Pace In First Quarter	May 24
Expansion Continues	June 20
Interest Rates Climb	July 22
Leading Indicators Decline	Aug 26
First Half Growth At 3.3 Percent	Sept 20
Interest Rates Up	Oct 32
Momentum Continues	Nov 18
Sixth Year of Expansion	Dec 20

C

California Products Bought By Group ..	Sept 14
CALLAIS, PETER A.	
Synthesis of Acrylic HSC Resins With Peroxides Containing Hindered Amine Light Stabilizers	Sept 41
CAS Offers New Current Awareness File Chemical Coatings Division, Reichhold Chemicals, Raises Prices	June 30
Chemical Coatings in the Eighties: Trials, Tribulations and Triumphs — <i>George R. Pilcher</i>	June 34
Chemical Producers Agree GATT Needs An Overhaul	June 12
Chemical Study Program Announced	Aug 16
Chemical Waste Disposal: How To Meet Your Responsibilities — <i>Jack Sweet</i> ..	Apr 64
Ciba-Geigy Changes P&A Div. Structure Ciba-Geigy Plastics Division Announces Price Increases	June 30
Ciba-Geigy Sells Technology to SCM ..	Mar 46
CLAUGUS, THOMAS E.	
Supply-Side Technology Improves Performance and Reduces Costs	Jan 38
Coastal Products & Chemicals, Alcoa Form Partnership	Apr 35
Coated Coil Versus Post-Painting	Dec 14
Coating Divisions Merge To Form Devoe Coatings	Oct 16
Coil Coating Market In Auto Industry Drops Almost 50%	June 10
Coil Coating Study Completed for NCCA Color Marketing Group Predicts Contract Colors	Dec 14
Columbian Chemicals Opens Plant Early Company Publishes Coatings Study ..	Apr 38
Compliance Course Set For Paint Facilities	Sept 10
Compliance Crisis Spurs New Market ..	Oct 22
Computer Management System Removes Production Roadblocks	July 41
Computer Program Creates Product Names	Feb 45
CONSTRUCTION AND MAINTENANCE COATINGS	
All-Urethane Coatings	Mar 28
Fluoropolymer Finishes	Mar 29
Water-Borne Coatings	Mar 28
Zinc-Rich Coatings Developments ..	Mar 30
Construction Under Way At Korean Arco Plant	Aug 19
Consulting Organization Assists Formulators	Nov 16
Cookson America and Heubach Inc. Pair Up	Aug 16
Crown Metro Acquires Advance Coatings	July 14
Crown Metro Aerospace Acquires Coating Unit	Apr 35
Cyanamid Constructs Urethane Plant in W. Va.	Mar 50

D

DANNEMAN, JEFFREY	
UV Process Provides Rapid Cure For Compliant Wood Finishes	Feb 28
Demand for Paint Chemicals to Exceed \$4 Billion by 1991	Mar 46
DeSantis Coatings Inc. Has Become Acel Corp.	June 12
DeVilbiss Co. Opens Paint Shop On-Site at Peugeot	July 14
DeVilbiss Completes Lab Renovation ..	Aug 19
DOMBROWSKI, STANLEY L.S.	
Product Stewardship Users in New Era of Responsibility	Jan 36

Dow Director Wins 1988 ASC Award ...	Oct 17
Dow Launches Computer Program	Feb 52
Dow To Modernize Seven Production Plants	Mar 53
DUBE, NORMAND A.	
Partners' Market Will Emerge from a Year of Turmoil	Jan 32
DUGGAN, GERALD	
You Need Patience To Survive In The World Marketplace	June 32
Du Pont Addresses Environment, Coatings	Jan 41
Du Pont Offers Artificial Intelligence System	May 14
Du Pont Offers Customers The Coating Resource Network	Aug 60
Du Pont Offers Plants Environmental Service	Oct 16
Durable Paint Systems Protect Against Environmental Attack	Oct 150
Durr Industries Inc. Renovates Michigan Plant	Oct 24
Dye and Pigment Output: \$1.85 Billion By 1992	Nov 16

E

Eastman Chemical Wins Elias Singer Award	Mar 46
Eastman Chemicals Division Expands Capacity at Tennessee Facility	May 40
EDDOWES, DEREK	
International Review	Jan 10
International Review	Feb 10
EDITORIALS	
Auto Coatings — Rolling Along	July 4
Building Solvent Abuse Awareness	Nov 4
Hazardous Materials, VOCs and You ..	Apr 4
Pigments and Progress	Jan 4
Plan for Tomorrow Now	Feb 4
Raw Materials: Competition, Pricing ...	Aug 4
Showtime on the Midway	Oct 4
Some Problems...Some Answers	Mar 4
Speaking of Paints And Coatings... ..	June 4
Technology In Perspective	May 4
"VOC Surprise," Aerospace Coatings...and a Show In Print	Sept 4
When Tradition Meets the Future	Dec 4
EM Industries Inc. Forms UV Curing Applications Laboratory	Apr 40
Employees Honored At Cyanamid Plant Engineered Materials Reaches Agreement With Lonza Inc.	July 18
EPA Holds Hearing On Hazardous Pollutants	May 40
Epoxy Oligomers Yield High-Performance Coatings — <i>Donald M. Gardner</i>	Nov 14
Europe Leads World in Powder Coating Use	Dec 44
Exemption Made for 1,1,1-Trichloroethane in Michigan	Feb 45
Exxon Chemical Co. Expands Neo Acids Production Facility	May 12
Exxon Chemical's Paramins Division Presents Vendor of the Year Award ...	Apr 40
Exxon Modernizes Rubber Operations ...	June 30
	Oct 18

F

Finishers and Paint Formulators Can Use 1,1,1-Trichloroethane — <i>Wesley L. Archer</i>	July 43
Fire Damages Unocal Plant	Oct 18
Five-Year Growth Ahead For Epoxy Coatings	June 10
Formulator and Manufacturer Team Up To Solve Problem	Apr 92
FEDERATION OF SOCIETIES FOR COATINGS TECHNOLOGY (FSCT) Establishes Publication Awards	Oct 16
Nominates Officers For the 1988-89 Year	Oct 18
Offers SPC Seminars	Nov 14
Seminar Discusses Coating Defects	Apr 36
Seminar Series To Be Held in June	May 12
66th Annual Meeting: Performance and Compliance	Sept 56
Sponsors Coating Seminar	Dec 16
FUJIMURA, GARY	
New Technology Is Used For Old Applications In Aerospace Coatings	Sept 28

G

GARDNER, DONALD M.	
Epoxy Oligomers Yield High-Performance Coatings	Dec 44
GE, Union Carbide Combine Silicone Units	July 16
GINSBERG, THOMAS	
Vinyl Modified Epoxy Coatings	Nov 32

GLANCY, C.W.	
New Solvents for High Solids Coatings ..	Mar 35
Glidden To Sponsor Winter Olympics ...	Jan 40
Grace Completes Plant Expansion	July 16
Graco Inc. Announces First Quarter Results	June 30
Grow Group Names Paint Division President	Mar 48
GUNTER, WOLFGANG	
New Generation Coalescing Agents For Industrial Acrylic Latexes	June 40

H

Handling Hazardous Materials Is An Industry Challenge — <i>Lee Martin</i>	Apr 58
Hanson Completes Kidde Acquisition ...	Apr 35
Hazardous Waste Will Be the No. 1 Concern in 1988 — <i>W. Richard Shannon</i> ..	Jan 34
Henkel Corp.'s Polymers Division Raises Prices	May 42
Henkel to Rebuild Center, Relocate Chemical Plant	May 12
Hoechst Celanese Completes Expansion of Product Lines	July 14
Hoechst Celanese Plans TMP Expansion ..	Aug 19
Hosokawa Micron International Acquires the Alpine Group	Apr 40
HOUGHTON, DIANA	
Engelhard Spends \$80 Million To Increase Kaolin Production	Feb 42
Huber Corp.'s Calcium Carbonate Division To Construct Texas Plant	May 42
Hudson-Shatz Holds Sixth Design Contest	Oct 22

I

ICI Polyurethanes Group Moves Headquarters	Feb 52
ICI Targets Overseas Auto Paint Markets	June 12
Inco Ltd. Forms Specialty Powder Unit ..	July 16
Industry Supports Right-to-Know Law ..	Aug 19
Immont Changes Name For "Better Identification"	Apr 35
Interchem Inc. Merges Two Subsidiaries International Paint Establishes New Company	May 12
INTERNATIONAL REVIEW	
Exhibition Showcases Waterborne Innovations	Jan 10
U.K. Paint Industry Shifts Continue ...	Feb 10

J

J.A. Doyle Is New NPCA Executive Director	June 10
---	---------

K

KAMATH, VASANTH R.	
Synthesis of Acrylic HSC Resins With Peroxides Containing Hindered Amine Light Stabilizers	Sept 41
Kemira Inc. Increases TiO ₂ Production Output	Apr 38
Kjoson Named President of Coatings Division	May 16
KRONSTEIN, MAX	
Using Infrared Spectroscopy For Structural Studies of Lecithin	Nov 40

L

LEDNICKY, RANDY	
Moisture Vapor Barrier Latex For Primer Sealers and Undercoats	June 62
Lilly Powder Coatings Opens New Facility	Apr 36
LITERATURE	
Accelerated Weathering Tester (Q-Panel) Adhesion-Promoting Resin (Estron Chemical)	Oct 174
Air Purifiers (Zeks Air Drier)	Jan 43
Aircraft Coating (Sterling Lacquer Manufacturing)	Sept 53
Airplane Finishes (Du Pont)	Sept 53
Aluminum Pigments (Silverline Manufacturing)	Oct 184
Analytical Reagents (Fisher Scientific) .	May 70
Application Note (EG&G Princeton Applied Research)	Oct 180
Applications Brochure (Processall)	July 62
Architectural Coatings (Rust-Oleum) ...	Oct 176
Auto Body Parts Coating Systems Booklet (Mobay)	July 62
Automated Coating Thickness (CMI International)	Apr 113
Automatic Analyzer (Haake Buchler Instruments)	Apr 113
BASF Brochure (BASF)	Nov 70

LITERATURE (Continued)

Blown-Film Optics (Rheometrics)	Feb 55
Building Products (Union Carbide)	Apr 112
Carbon Black (Cabot)	Nov 70
Catalyst Bulletins (Texaco Chemical)	Aug 74
Cellite Filters (Manville, Filtration & Minerals)	Dec 62
Chemical Hazard Communication Guidebook (Executive Enterprises Publications)	Oct 175
Chlorinated Polyolefin (Eastman Chemical Products)	May 71
Coalescing Aids (Eastman Chemical Products)	Mar 64
Coating Measurement Brochure (Ohmart)	Aug 74
Coating Thickness Standards (CMI)	Oct 183
Coatings (Lord)	Jan 43
Coatings Brochure (Lord)	Aug 76
Coatings Color Selector (Sherwin-Williams Stores Group)	July 64
Coatings, Finishes (W.R. Bonsal)	Apr 113
Coatings Video (The Federation of Societies for Coatings Technology)	Oct 185
Compressed Air Systems (Filenco Division, J&J Mfg.)	May 70
Computer Service Brochure (Dow Chemical)	Aug 76
Computer Software (Pacific Micro)	Nov 70
Conference Papers (RadTech Int.)	Oct 180
Conveyor (Hapman Conveyors)	Sept 53
Corrosion Control (National Association of Corrosion Engineers)	Oct 183
Corrosion Inhibitor (Hodag)	Apr 113
Corrosion Journal (National Association of Corrosion Engineers)	Oct 176
Corrosion-Protection Systems (Denso)	Oct 175
Corrosive Chemicals (Thompson-Chemtex)	Apr 114
Cron Company Brochure (Cron Chemical)	Dec 63
Curing Tests (RadTech Int.)	Oct 178
Data Sheet (Applied Color Systems)	Aug 74
Data Sheet (CMI Int.)	Nov 72
Defoamers Selector Chart (Troy Chemical)	Nov 70
Density Level Measurement (Ohmart)	May 73
Diaphragm Pumps (Roper Pump)	May 70
Dibasic Esters (Du Pont)	May 70
Dimer Acids (Unichema Chemicals)	May 71
Disassembly Pumps (Robbins & Myers)	Apr 112
Dispersant Bulletin (W.R. Grace)	Aug 74
Drum Liners (CDF)	May 70
Dust Collection System (Day Division, Donaldson)	Oct 178
Dust Collector Brochure (Fisher-Klossman)	Oct 181
Environmental/Material Testing (Atlas Electric Devices)	Apr 112
Environmental Simulation (Parameter Generation & Control)	Feb 54
Epoxy Coatings Booklet (Union Carbide)	Aug 74
Epoxy Curing Agents (Pacific Anchor Chemical)	Feb 55
Epoxy Resin Curing Agents (Texaco Chemical)	Mar 64
Epoxy Resin Specification Guide (Shell Chemical)	Dec 62
Equipment Catalog (Cilcon)	Oct 185
Ethers, Acetates (ARCO Chemical)	Mar 62
Exhaust Solvents Application Sheet (Exxon Chemical)	Nov 70
Filler/Extender (U.S. Silica)	Oct 183
Filtration (Filterite)	May 70
Filtration (Witco)	Oct 185
Flammability Testing (Scientific Instruments)	Nov 72
Flowmeter (EXAC)	Oct 181
Flowmeter (Smith Meter)	Nov 72
Fluorosurfactants (ICI Specialty Chemicals)	May 71
Fuel-Fired Steam Boiler (Fulton Boiler Works)	Oct 175
Gas Monitor Catalog (MSA)	Dec 63
General Catalog (Trimont Chemicals)	Oct 181
Glycol Brochure (Texaco Chemical)	June 78
Handbook of Basic Tables for Chemical Analysis (National Bureau of Standards)	Oct 178
Hazard Communications Guidelines (Alliance of American Insurers)	Oct 184
Hazardous Materials (American Labelmark)	Feb 54
Hazardous Waste (Painting and Decorating Contractors of America)	Oct 174
High-Bulk Filler (Sullivan Chemical)	Mar 62
High-Solids Coatings (PDI)	Apr 112
Illustrated Bulletin (Chlorinators)	Oct 183
Impeller (Mixing Equipment)	Sept 53
Industrial Pump (Blackmer Pump)	Oct 178
Industrial Maintenance Coatings (Rust-	

LITERATURE (Continued)

Oleum)	Apr 112
Instrument Mini Handbook (Paul N. Gardner)	Dec 62
Interior, Exterior Coatings (Proko Industries)	Mar 64
Lab Directory (American Council of Independent Laboratories)	Oct 180
Lead-Based Paint Testing (KTA-Tator)	Apr 114
Liquid Level Control Catalog (Warrick Controls)	July 64
Low-Temperature Curing Formulations (King Industries)	Mar 62
Machinery, Equipment (Netzsch)	May 73
Manifold Literature (Armstrong Int.)	Nov 70
Metal Powders, Pigments (Atomergic Chemetals)	Feb 54
Metallic Pigments (MD-Both Industries)	Oct 181
Metallic Stearates (Wico)	May 73
Microbicides (Rohm and Haas)	Jan 43
Microcrystalline Silica (Illinois Minerals)	Apr 112
Microcapsule Process (Sandvik Process Systems)	Oct 184
Microscope (Carl Zeiss)	Sept 53
Mill Brochure (Kinetic Dispersion)	Oct 175
Mixing Brochure (Mixing Equipment)	July 62
Mixer Brochure (TAH Industries)	Aug 76
Molded Solenoid Valves (Plast-O-Matic Valves)	Oct 178
1988 Conference Proceedings, Coating Binders Seminar Notes and Coating Basestock Seminar Notes (TAPPI)	Oct 181
Paint Sludge Processing (Haden Environmental)	July 64
Paint Stripper Brochure (Halogenated Solvents Industry Alliance)	Oct 174
Paint Wet Adhesion (Union Carbide)	Aug 74
Painting, Coating Systems Catalog (Sherwin-Williams Stores Group)	Apr 113
Particle Reducer (Modern Process Equipment)	June 78
Patent Survey (National Technical Information)	Oct 185
Phenolic Coatings (Union Carbide)	Oct 176
Pigments (Mearl)	Oct 176
Pocket Brochure (Mixing Equipment)	Nov 70
Polymers Brochure (A.E. Staley)	Aug 74
Polymers Coatings (Unocal)	Nov 72
Polypropylene Model Data Sheet (Star Systems)	Feb 55
Polyurethane Technology (Akzo Aerospace Finishes)	Nov 72
Portable, Stationary Mixers (Mixing Equipment)	Sept 53
Powder Coating (Nordson)	May 70
Powder Coatings (Processall)	Jan 43
PowerMix Brochure (Charles Ross and Son)	Feb 54
Product Brochure (Brinkmann Instruments)	Nov 70
Product Folder (Texaco Chemical)	Sept 53
Product Guide (BASF)	Oct 185
Product Guide (Witco)	Nov 72
Product List (Air Products and Chemicals)	Oct 181
Products Bulletin (NL Chemicals)	Apr 113
Pump Sizing, Selection Guide (Netzsch)	Oct 181
Purifier Brochure (LaMan)	Oct 181
Rack, Fixture and Hanger Cleaning (Armature Coil Equipment)	Aug 74
Raw Materials (R.E. Carroll)	June 78
Ready-to-Use Wall and Ceiling Brochure (U.S. Gypsum)	Jan 43
Redispersible Powders (Air Products and Chemicals)	Oct 175
Rules Handbook (Business & Legal Reports)	Oct 174
Safety Video (ITS)	Apr 112
Safety Videotape (Mobay)	Aug 74
Sampling Pumps Data Sheet (MSA)	Oct 176
Sensors Brochure (Ohmart)	Dec 63
Shade Folder (Crompton & Knowles)	Oct 184
Slide Chart (Indco)	Nov 70
Small Quantity Generators' Handbook (Business and Legal Reports)	July 64
Solid Phase Reaction (Littleford Brothers)	Aug 76
Solids G nder (Disposable Waste Systems)	Oct 184
Solids Reduction (Robbins & Myers)	Mar 62
Solvent-Based Coatings (Dow Chemical)	May 73
Solvent Brochure (Eastman Chemical Products)	May 71
Solvent Recovery (Ceilcoat)	Apr 113
Solvent Recovery (Finish)	Aug 76
Solvent Safety (Dow Chemical)	Oct 180
Solvents Data Sheet (ARCO Chemical)	Feb 54

LITERATURE (Continued)

Spectrophotometer Brochure (Milton Roy)	Nov 72
Spectrophotometer Brochure (Perkin-Elmer)	Dec 62
Storage System (Spacesaver)	Jan 43
Styrene Monomer Brochure (ARCO Chemical)	Nov 70
Surface Analyzer Brochure (Ashland Chemical)	June 78
Surfactant Catalog (ALCOLAC)	Dec 63
Tank Coatings Brochure (Rainbow Paint & Coatings)	July 64
Technical Brochure (Custom Scientific Instruments)	Oct 183
Technical Bulletin (Nalco Chemical)	Aug 76
Technical Papers (Brookfield Engineering)	Nov 70
Test and Measurement Instruments (John Fluke Mfg.)	May 70
Topcoats Report (Steel Structures Painting Council)	Nov 70
Touch-up Bottle Brochure (Raabe)	Dec 62
Transformer Service Brochure (Sun Environmental)	Nov 70
Transmitter/Control (Sensall)	Apr 113
Ultraviolet, Electron Beam Curing (U.V. Process Supply)	Jan 43
Uniflow Spec Sheet (Rite-Hite)	Oct 181
Universal Mixer (Charles Ross & Son)	May 71
Valve Catalog (Plast-O-Matic Valves)	Aug 76
Vibrating Paint Filter (Ronningen-Petter)	Mar 62
Viscometer Literature (Bohlin Reology)	Dec 63
Viscosity Control Bulletin (Automation Products)	Aug 76
Wear/Corrosion Control (Stellite Coatings, Stoddy Deloro Stellite)	Feb 55
LOCKWOOD, KEVIN A. Scientific "Dirt Detection" On the Auto Paint Line	July 36
LOH, LAURENCE A. 1988-2000 Perspective: Alkyd and Epoxy Resins For The Paint and Coatings Industry	Aug 56
Low-VOC Coatings Applications for Military Usage: A Major Formulation Challenge	Sept 35
Low VOC Modifiers Improve Urethane Coatings — C.N. Blomquist	Apr 74
M	
Macbeth Appoints D.G. Colour Ltd. As European Stocking Agent	Apr 40
Macbeth Becomes Unit Of Kollmorgen Corp.	Aug 19
Madison-Kipp Corp. Changes Name	Oct 22
Manufacturers Foresee Product Development...With Price Increase	Aug 44
Manville Is U.S. Agent For Rhone-Poulenc	Oct 20
MARCELLUS, JOHN E. Alumina Trihydrate Trims TiO ₂ Costs In Flat Latex Paint	Feb 32
MARTIN, LEE Handling Hazardous Materials Is An Industry Challenge	Apr 58
MATERIALS AND EQUIPMENT	
Abrasives (HULS America)	Oct 155
Acrylic Binder (Rohm and Haas)	Mar 58
Acrylic Binder (Union Carbide)	Mar 54
Acrylic Polyols (Rohm and Haas)	Sept 48
Air Release Agents (Furane Products)	Nov 62
Alkyd Resins (NL Chemicals)	Aug 64
Analyzer (Kernco Instruments)	July 54
Anti-Foulant Coating (Ferro)	May 63
Application Dispenser (Formulated Resins)	Apr 108
Arc Spray Equipment (TAFA)	Dec 55
Arc Spray Gun (TAFA)	Oct 154
Biofill System (Norden Packaging)	Apr 108
Black Alkyd (CDI Dispersions)	Dec 56
Black Dispersions (CDI Dispersions)	June 70
Blade Applicator (Paul N. Gardner)	Sept 53
Blade Mixer (Thompson-Chemtex)	July 58
Blending Vessel (Mixing Equipment)	July 58
Bonding Putty (Cook Paint & Varnish)	Oct 159
Brushing Additive (Akzo Coatings)	Aug 64
Bubble Release Agent (Pflaumer Brothers)	Mar 58
Cabinet Oven (Grieve)	Aug 68
Carbonate Filler (J.M. Huber)	Apr 106
Cartridge Filler (Ambrose)	Feb 56
Case Sealer (Elliott Manufacturing)	Oct 169
Catalyst System (Denomi)	Feb 58
Cavity Pumps (Netzsch)	Apr 108
Cellulose Derivative (Dow)	June 69
Centrifugal Pumps (Sherwood)	Oct 156

MATERIALS (Continued)

Centrifugal Sifter (Kason)	Oct 158
Ceramic Pump (Corning Glass Works)	June 73
Chamber (Kinetic Dispersion)	Oct 154
Chroma Meters (Minolta)	Dec 52
Classifier Mill (Prater Industries)	Aug 64
Clean-Up Compound (Omni, Division of Ajax)	Feb 57
Coating (Heraeus Amerisil)	July 58
Coating System (Akzo Coatings)	Oct 160
Coating System (Bee Chemical)	July 58
Coating System (Products Research & Chemical)	May 67
Coatings Pumps (The DeVilbiss)	May 68
Color Analyzer (Milton Roy)	Oct 155
Color-Control System (Applied Color Systems)	Oct 154
Color Dispersions (PDI)	Apr 108
Color Dispersions (PDI)	June 74
Color Matching System (Pacific Scientific)	Oct 155
Computer Programs (Ciba-Geigy)	Dec 52
Containers (Chemical Handling Equipment)	Aug 64
Control Agent (Cook Resins & Additives)	Oct 169
Control Valve (Tecmax)	Mar 58, Sept 48, Dec 55
Conveyor Oven (Grieve)	June 70
Curing Agent (Plastics Department, Ciba-Geigy)	June 70
Curing Elastomers (Formulated Resins)	Sept 48
Detector Tubes (MSA)	Sept 48
Diaphragm Pumps (All-Flo Pump)	Sept 51
Diaphragm Pump (Aro)	June 72
Diaphragm Pump (Warren Rupp)	May 67
Dispensant (Troy Chemical)	Aug 66
Dispenser (Charles Ross and Son)	Oct 155
Dispersion Blades (Indco)	Dec 52
Distillation Unit (Finish Co.)	Aug 68
Drawdown Machine (Consler Scientific Design)	Oct 156
Drawdown Test Tool (Consler Scientific Design)	Jan 44
Drum Flattener (D & J Wendi)	July 56
Dryer Gage (Panametrics)	Oct 170
Dryer Additive (Cosan Chemical)	June 69
Electronic Balance (Arlin Scales)	Oct 170
Electrostatic Handgun (DeVilbiss)	Oct 168
Emulsion (Polyvinyl Chemicals)	Aug 68
Emulsion Agent (Paint Chemicals)	May 64
Emulsion Resin (NL Chemicals)	May 67
Epoxy Hardener (Reichhold Chemicals)	May 67
Epoxy Powders (Morton Thiokol)	Feb 56
Epoxy Resin (Cardolite)	Apr 106
Epoxy Resin (Chemical Coatings, Reichhold Chemicals)	June 74, July 55, Jan 44
Epoxy Resin (Dow)	Dec 56
Epoxy Resin (Monsanto)	Oct 159
Fiber Pail (Sun Chemical, Dispersions)	Dec 56
Fiberglass Culletts (Chempro Specialties)	Dec 56
Filling Machine (Adtech)	May 63
Filling Machine (Ambrose)	May 63
Filling System (Monmouth Tool & Machine)	May 64
Filter Cartridge (Cuno Process Filtration Group)	July 54
Filter Degasser (Lazar Research Laboratories)	Feb 57
Filter Vessels (Filter Specialists)	July 56
Filtration System (Eclipse Systems Inc.)	Sept 51
Flocculator (Mixing Equipment)	May 68
Flowmeter (Panametrics)	Oct 170
Flow Meter (Badger Meter)	Nov 62
Fluid Heaters (Fulton Thermal)	Oct 169
Fluid Heating System (Fulton Thermal)	July 58
Fungicide (Troy Chemical)	Oct 166
Gantry Robot (Thermwood)	Oct 157
Gaskets (U.S. Stoneware)	July 60
Gauge Scale (Sartorius Scale Division)	Feb 57
Gel Coat (Cook Paint and Varnish)	Aug 66
Glass Beads (Jaygo)	May 63
Glossmeter (Shen Instruments)	June 69
Grease Gun (E-Power Industries)	Oct 164
Hammermill (Prater Industries)	Aug 68
Hand Held Prober (CMI)	Dec 52
Hand Sheet Mold (Paper Chemistry Laboratory)	Oct 170
Heating Inverter (Inductoheat)	Mar 56
Hermetic Can Line (Erichsen Instruments)	Oct 157
High-Solids Resin (Cargill)	Apr 106
High-Solids Resin (Cargill)	June 72
Immersion Circulator (HBI)	Oct 164
Indicator Badge (Tracor Atlas)	Oct 168
Industrial Meters (Minolta)	Aug 66
Industrial Pump (Blackmer Pump)	Aug 66
Infrared Dryers (Casso-Solar)	Oct 157
Infrared Heater (Casso-Solar)	Oct 160
Infrared Thermometer (Williamson)	Apr 110
In-Mold Coatings (Chemical Coatings,	

MATERIALS (Continued)

Sherwin-Williams)	July 54
Isolator (LARAD Equipment)	Oct 159
Kinetic Dispersion (Kinetic Dispersion)	May 64
Label Page (Justrite Manufacturing)	June 70
Laboratory Mixer (Scientific Instruments & Technology)	Apr 106
Latex Stability Unit (Custom Scientific Instruments)	Apr 106
Level Sensor (Sensall)	Oct 162
Lid Placer (Beltron)	Mar 54
Lighting Fixtures (American Electric Commercial and Industrial Lighting Group)	June 69
Liquid Colors (ICI Americas)	Sept 48
Liquid Detackifier (Nalco Chemical)	Feb 56
Liquid Filler (Oden)	Feb 58
Liquid Filling (Adtech)	Apr 108
Liquid Filter Bags (3M)	Apr 110
MEK Substitute (Dow Chemical)	Oct 156
Manifold Systems (Vortec)	July 60
Microballoons (Grace Synthesis)	Sept 48
Micronized Wax (Micro Powders)	Mar 58
Mixer (Adco)	Oct 170
Mixer/Dispenser (Myers Engineering)	Oct 162
Mixer Emulsifier (Charles Ross and Son)	Dec 52
Mixing Impeller (EMI)	June 69
Mixing Machine (Arde Barinco)	Nov 64
Mixing Paddles (Indco)	June 73
Neoprene Sheet (Gaco)	Oct 168
Neutralizer (C.A.H. Industries)	Jan 44
New Color (Atlantic Industries)	Oct 166
Overspray Collectors (Chemco Mfg.)	Nov 64
Overspray System (Columbus Industries)	Aug 71
Oxygen Analyzer (Sierra Monitor)	May 64
Packaging Machine (Ambrose)	Dec 56
Paint Additive (Micro Powders)	Mar 54
Paint Stripping (Kolene)	July 60
Particle Sizer (Pacific Scientific)	Oct 164
PC Solvent (Arco Chemical)	Aug 68
Phenolic Resin (Union Carbide)	Dec 52
Pigment (Ferro)	Oct 157
Pigment (Hoechst Celanese)	May 67
Pigment (Mobay)	July 55
Pigment (MMI)	Aug 66
Pigment Dispersions (Pigments, Ciba-Geigy)	Aug 64
Planetary Dissolver (Neulinger-Kreuziger)	Oct 158
Plug Attachment (Bohlin Reoloci)	Oct 159
Polyester Resin (Pluss-Stauer International)	May 63
Polymer System (Master Bond)	Dec 52
Polyol Series (Henkel)	Aug 64
Polyurethane Coating (Crown Metro Aerospace Coatings)	Mar 54
Polyurethane Resin (Reichhold Chemicals)	Mar 56
Portable Mixer (Can-Am Mixers)	May 68
Portable Mixer (Indco)	Mar 54
Portable Paint Test (Nucleus)	Dec 52
Powder Coating (Du Pont)	Aug 64
Powder Coating Booth	Nov 62
Powder Filler (Cozzoli Machine)	June 70
Powder Spray Booth (Volstatic)	Sept 48
Powder Spray Gun (Volstatic)	Dec 56
Press Mixer (Automated Filling Specialists)	Mar 56
Pressure Transmitter (Setra Systems)	May 63
Pressure Washer (Fuller-O'Brien Paints)	Aug 71
Process Viscometer (Brookfield Engineering Laboratories)	May 68
Progressive Pumps (Netzsch)	Sept 51
Radiometer (Electronic Instrumentation & Technology)	July 56
Replacement Screens (NrG Products Manufacturing)	July 60
Resin System (GE Silicones)	Oct 154
Sack Unloading (Hapman Conveyors)	Dec 52
Salt Spray Chamber (Erichsen Instruments)	Oct 157
Screw Pump (Warren Pumps)	Dec 56
Sensor (Omni)	July 54
Shipping Containers (Clawson Tank)	Oct 170
Sieve Analysis System (Gilsol)	Nov 64
Silica Filler (Grefco)	Aug 64
Slide Rule Calculator (Rohm and Haas)	Oct 154
Sludge Dryer (Haden Schweizer)	Apr 108
Socks (MSA)	Oct 166
Software Package (Battelle)	Oct 159
Solids Mixers (Mixing Equipment)	July 55
Solvent (Exxon U.S.A.)	July 60
Solvent-Based Finish (DuPont)	Oct 154
Solvent Blend Software (Shell Chemical)	Nov 64
Solvent-Free Dispersion (Hilton Davis)	Oct 157
Specialty Silica (Silica Products Group)	Feb 58
Spectrophotometer (Ahiba)	May 63
Spectrophotometer (Carl Zeiss)	Apr 108
Spectrophotometer (Pacific Scientific	

MATERIALS (Continued)

Instrument Division)	July 56
Spray Machine (Spraymation)	Jan 44, Oct 164, June 73, June 74
Stain Vehicle (McWhorter)	
Steel Vaults (American Labelmark)	
Storage Buildings (Justrite Manufacturing)	June 72
Strainer System (Control Strainers)	June 72
Strainer Conditioner (Daniel Products)	Feb 56
Surfactant (American Cyanamid, Pilot Chemical)	Aug 66
Tear-Caps (Caplugs, Protective Closures)	Oct 162
Teflon Pump (Thompson-Chemtex)	Dec 55
Temperature Probe (Weed Instrument)	Oct 158
Test Strip Kits (EM Science)	Mar 58
Texture Additive (Troy Chemical)	Jan 44
Thickness Gauge (Zorelco)	Mar 58
Tint Tester (T.I. Bell)	Apr 108
TiO ₂ Extender (Solem Industries)	July 56
Tube Mixer (Thompson-Chemtex)	Oct 164
Urethane Coatings (Synthetic Surfaces)	Apr 106
Urethane Coatings (Urethane Plastics)	Apr 108
Urethane Coatings (Urethane Plastics)	June 72
Urethane Diol (King Industries)	June 69
Urethane Polymer (Sannco Industries)	Apr 106, Oct 154
UV Absorber (Additives, Ciba-Geigy)	June 70
UV Curing Agent (Additives, Ciba-Geigy)	June 74
Valves, Airlocks (Day Division, Donaldson)	Oct 158
Vinyl Compounds (Roscom)	Aug 71
Vinyl Polyol (Union Carbide)	Jan 44
Waste Grinder (Disposable Waste Systems)	Mar 58
Weigh-Belt Feeder (K-Tron)	May 68
Weighing Systems (Applied Color Systems)	July 54
McWhorter Inc. Plant Sets Safety Record	Aug 19
Medium-Size Companies Can Receive Advice	Apr 36
MERGERS AND ACQUISITIONS	
Binks Manufacturing Co. Acquires Sames S.A., Grenoble	Jan 42
Courtauld to Acquire Porter Paint	Mar 60
Crown Metro Acquires Advance Coatings	July 14
Crown Metro Aerospace Acquires Coating Unit	Apr 35
Engelhard Corp. Has Acquired Major Portion of Harshaw/Filtrol	Dec 30
Hanson Completes Kidde Acquisition	Apr 35
Henkel Corp.'s Polymer Division Acquires Specialty Products Marketing Inc.	Dec 30
Henkel Corp. Acquires APG Surfactant Business and Technology, Staley	Dec 30
Hosokawa Micron International Acquires the Alpine Group	Apr 40
Hyde Group Has Acquired Beaut-Ease Products Inc.	Dec 30
Interchem Inc. Merges Two Subsidiaries	May 12
NJZ Colors Bought By Heubach Inc.	July 14
PPG Industries Purchases JME Chemical	May 42
Recyclen Products Inc. Acquires Disti Environmental Systems	May 40
Reichhold Has Added Polychrome Chemicals	Apr 35
Vapor Technologies Inc. Purchases Wedtech Corp.'s Coatings Division	Apr 40
Volstatic Int'l Ltd. Purchased By U.S. Executives	June 10
Williams Holdings Acquires Kwai-How-ell	May 12
Micromeritics Opens German Office	Oct 24
Miliken Chemical Announces Price Increases	June 30
MIRTEL, VOLKER	
Polyurethane Coatings Offer Functional, Durable Results	July 33
Mitsubishi Expands Acrylic Plant	Oct 18
Mitsui & Co. (USA) Inc. Appoints Color Concentrates Supplier	Apr 40
Mobile Launches Audubon Promotion Tour	Aug 19
Moisture Vapor Barrier Latex For Primer Sealers and Undercoats — Randy Lednicki and Violet L. Stevens	June 62
MOLES, PETER J.	
Zirconium Compounds Find New Uses in Surface Coatings	Feb 36
MONTANARI, FRED W.	
Titanium Dioxide Pigments: In White-Hot Demand Worldwide	Aug 52
MONTE, SALVATORE J.	
Alkox Titanates and Zirconates As Corrosion Inhibitors	June 50
Morton Thiokol Enters Joint Venture	Aug 19

MUHLKAMP, MACK
The Technology of Powder Nov 52

N

NATIONAL PAINT AND COATINGS ASSOCIATION (NPCA)

Gets Thumbs Up on Sales Index Sept 10
Honors Award Recipients Dec 42
Jack Anderson Speaks At Meeting Sept 12
Joins Coalition On Proposition 65 July 16
Meeting Looks Ahead With 'Design' For the Future Dec 41
Receives Award for PIP Program Jan 41
Will Put the Spotlight On Business Oct 50
Will Revise Trademark Directory Feb 48

NEW END PRODUCTS

Acrylic Enamel (Rust-Oleum) Oct 171
Acrylic Flat Paint (Muralo) Apr 105
Aerosol Asbestos (International Protective Coatings) Apr 105
Aerosol Delivery (Enviro-Spray) Mar 66
Aerosol Touch-up (ORB Industries) Apr 105
Aircraft Coating (Lord) Dec 58
Airless Spray (Kurfes Coatings) Mar 66
Anti-Fouling Coatings (Sigma Coatings BV) May 69
Case and Chamber Paints (Sperex) Oct 171
Ceiling Spray (U.S. Gypsum) Oct 172
Color System (O'Brien) Mar 66
Coating Resin (Formulated Resins) Sept 52
Deck Cleaner (Darworth) Apr 102
Deck Stain (Okon) Aug 72
Deck Stain (Darworth) Aug 72
Dispersions (Drew Graphics) Dec 61
Enamels and Coatings (Akzo Coatings) Dec 58
Epoxy Coating (Devco & Raynolds) Oct 172
Epoxy Coating (Insl-X Products) Aug 72
Epoxy Enamel (Crown Metro Aerospace Coatings) Mar 66
Epoxy Paint (Abatron) June 77
Epoxy Primer (Crown Metro Aerospace Coatings) Feb 59
Exterior Finish (Olympic Home Care Products) Aug 72
Exterior Tung Oil (Hope) Sept 52
Finish Products (O'Brien) June 77
Flat Wall Paint (Kurfes Coatings) Sept 52
Frost Colors (Daly's Factory Sales) Apr 102
Glaze Base (Kurfes Coatings) Oct 172

House Paint and Primer (Devco & Raynolds) Oct 171
Industrial Enamel Coating (Rust-Oleum) Dec 58
Industrial Resin (Inox Chemical) Aug 72
Latex Enamel (Kurfes Coatings) Oct 171
Liquid Overcoat (Certified Technologies) Feb 59
Mainline Labels (O'Brien) Aug 72
Masonry Treatment (United Gilsonite Laboratories) Feb 59
Merchandising Program (Harshaw/Filtrol Partnership) Aug 72
Metal Coating (Copperlok) Feb 59
New Enamels (Sperex) May 69
Paint Stripper (Chemcoa) Feb 59
Paint System (BASF) Mar 66
Paintable Wallcovering (U.S. Tasso) Aug 72
Painting Tape (Daubert Coated Products) May 69
Powder Packaging (United Gilsonite Laboratories) Apr 105
Primer (Samuel Cabot) Apr 102
Primer Paint (United States Gypsum) Dec 61
Primer-Surfacer (BASF) Sept 52
Protection Kits (Denso) Dec 61
Protective Drape (Daubert Coated Products) June 77
Protective Garment (Columbus Industries) Mar 66
Safety Coating (Revere Products) Feb 59
Satin Enamel (Kurfes Coatings) Feb 59
Semi-Gloss Finish (Flecto) Apr 102
Semi-Gloss Sheen (Flecto) May 69
Silane Sealant (Textured Coatings of America) Oct 172
Spray Dye (Sperex) Apr 102
Spray Paint (Sperex/VHT) Aug 72
Stain Header (Kurfes Coatings) Dec 61
Stains, Sealers (Okon) Sept 52
Texture Coating (Northern Coatings & Chemical) Mar 66
Texture Coating (Proko Industries) Dec 58
Touch-up Products (Niles Chemical Paint) Dec 61
Undercoat (Dynatron/Bondo) Dec 58
Urethane-Modified Primer (Glidden) Oct 172
Vinyl Acrylic (Kurfes Coatings) Aug 72
Wallboards (California Products) May 69
Waterproofing (Urethane Plastics) Mar 66
Wood Preservative (Akzo Coatings) June 77
Wood Preservative Stain (Okon) Dec 59
Wood Protector (Seagrave Coatings) Feb 61

NEW END (Continued)

Wood Stain (Samuel Cabot) Feb 59
New Generation Coalescing Agents For Industrial Acrylic Latices — Wolfgang Gunter June 40

NEW PRODUCTION EQUIPMENT — A SPECIAL REPORT

Air Filters (American Air Filter) May 45
Batch Mill (Kinetic Dispersion) May 45
Change-Can Mixer (Charles Ross & Son) May 45
Color Analyzer (Milton Roy) May 52
Control Valve (Tecmax) May 45
Conveyor System (Hapman Conveyors) May 46
Drum Handler (Morse Manufacturing) May 48
Filler/Closer (Ideal Manufacturing and Sales) May 46
Filling Machine (Adtech) May 52
Filter Screen (Ronningen-Petter) May 46
Filter/Strainer (Tri-Clover) May 46
Fluid Dispenser (Miller Paint Equipment) May 47
Formulation System (Macbeth Division, Kollmorgen) May 47
Formulator (Gemco) May 47
Grinder/Dispenser (Jaygo) May 48
Grinding Mill (Union Process) May 48
High-Intensity Lab Mixer (Dispersion Equipment, Netzsch) May 49
High-Shear Mixer (EMI) May 49
Lab Mixer (Littleford Bros.) May 53
Lid Placer (Beltron) May 49
Mixer (Franklin Miller) May 50
Mixer/Dispensers (Premier Mill) May 50
Particle Analyzer (Micrometrics) May 53
Portable Mixer (Indco) May 50
Process Mixer (Aaron Process Equipment) May 50
Rheometer (Bohlin Reologi) May 54
Rotor/Stator (Schold Machine) May 50
Sieve/Strainer (Vorti-Siv, MM Industries) May 51
Signal Converter (Krohne America) May 51
Spectrocolorimeter (Hunter Associates Laboratory) May 54
Spectrophotometer (Pacific Scientific) May 53
Spectrophotometer (Perkin-Elmer) May 54
Thickness Gauge (Electro-Physik USA) May 51
Waste Grinder (Disposable Waste Systems) May 51

New Propellants Reduce Risk Factors In Aerosol Paints — Philip L. Bartlett ...
New Solvents for High Solids Coatings — C.W. Glancy

New Technology For Old Applications in Aerospace Coatings Sept 28
NIBS to Form Guidelines For Lead-Based Paint Nov 14
1987 Was a Good Year For Chemical Sales Feb 48
1988 Guide To State VOC Control Regulations Apr 17
1988 Paint Industries' Show Topples Previous Records Dec 32
1988-2000 Perspective: Alkyd and Epoxy Resins For The Paint and Coatings Industry — Laurence Loh Aug 56
NJZ Colors Bought By Heubach Inc. July 14, Oct 22

NL Chemicals Plans New TiO₂ Plant Oct 22
NL Industries Inc. Won't Spin Off Petroleum Services Business May 40
NPCA (See National Paint and Coatings Association)
NYLAND, JOYCE E.
Acrylic Resins Perform in Automotive Refinishes Nov 56

O

OSHA Star Worksite Designated in Alabama Dec 16
Outlook For Titanium Dioxide Worldwide — Donald V. Borst Sept 39
Ownership Within the Coating Industry? Oct 18

P

Pacific Micro Software Engineering Names Colortec Associates Inc. Technical Sales Representative Apr 40
Paint Industry Renews Birmingham Zoo 'Paint-Out' Volunteers Make Los Angeles Shine Oct 20
PAINT SHOW IN PRINT (FSC's 53rd Paint Industries Show, Oct 17-19, 1988)
Aceto Oct 70
Advanced Coating Technologies Oct 70
Air Products and Chemicals Oct 70
Ambrose Oct 70
Amoco Chemical Oct 72
Angus Chemical Oct 72

PAINT SHOW (Continued)

Applied Color Systems Oct 72
Aqualon Oct 72
Arco Chemical Oct 72
Ashland Chemical Oct 74
Atlas Electric Devices Oct 74
B.A.G. Corp. Oct 74
BASF Oct 76
T.J. Bell Oct 76
Berol Chemicals Oct 76
Blackmer Pump Oct 76
Bohlin Reologi Oct 78
Brinkman Instruments Oct 78
Brookfield Engineering Oct 78
Buhler-Miag Oct 78
Burgess Pigment Oct 82
BYK-Chemie Oct 82
Cabot Oct 82
Ciba-Geigy Oct 82
Clawson Tank Oct 82
Color Corp. of America Oct 85
Colorgen Oct 85
Cook Resins & Additives Oct 85
Cosan Chemical Oct 85
Cray Valley Products Oct 85
Cuno Oct 86
Cyprus Industrial Minerals Oct 86
Daniel Products Oct 86
Datalogix Formula Systems Oct 86
Degussa Oct 86
Dow Chemical Oct 88
Draiswerke Oct 88
Drew Industrial Oct 88
DSET Laboratories Oct 88
Du Pont Oct 90
Eagle Zinc Oct 90
Eastman Chemical Oct 90
ECC America Oct 90
EM Industries Oct 90
Epworth Manufacturing Oct 92
Fawcett Co. Oct 92
Filter Specialists Oct 92
GAF Chemicals Oct 92
Paul N. Gardner Oct 94
Georgia Kaolin Oct 94
W.R. Grace Oct 94
Halox Pigments Oct 94
Henkel Oct 94
Hi-Tek Polymers Oct 98
Hix Oct 98
Hockmeyer Equipment Oct 98
HunterLab Oct 98
ICI Oct 98
ICI Resins US Oct 100
Ideal Manufacturing and Sales Oct 100
Indusmin Oct 100
S.C. Johnson & Son Oct 100
Kenrich Petrochemicals Oct 103
King Industries Oct 103
KTA-Tator Oct 103
Liquid Controls Oct 103
Lubrizol Oct 106
Macbeth Oct 106
Manchem Inc. Oct 106
Manville Sales Oct 106
Mearl Oct 108
Micro Powders Oct 108
Micromeritics Instruments Oct 108
Miller Paint Oct 108
Milton Roy Oct 110
Mineral Pigments Oct 110
3M Co. Oct 110
MiniFIBERS Oct 112
Minolta Oct 112
Mobay Oct 112
Netzsch Oct 112
NL Chemicals Oct 114
ORB Industries Oct 114
Pacific Micro Oct 114
Pacific Scientific Oct 114
Pfizer Pigments Oct 116
Pico Chemical Oct 116
PPG Industries Oct 116
The PQ Corp. Oct 118
Premier Mill Oct 118
Q-Panel Oct 118
Raabe Oct 120
Red Devil Oct 120
Reichhold Chemicals Oct 120
Rohm and Haas Oct 120
Russell Finex Oct 122
Schold Machine Oct 122
Silverline Manufacturing Oct 122
South Florida Test Service Oct 122
Sub-Tropical Testing Oct 126
Sun Chemical Oct 126
Tammco Inc. Oct 126
Tego Chemie Service Oct 126
Thiele Engineering Oct 126
Troy Chemical Oct 126
Union Carbide Oct 126
Union Process Oct 126

PAINT SHOW (Continued)

Unocal Chemicals	Oct 128
U.S. Silica	Oct 128
Viking Pump	Oct 128
Vort-Siv	Oct 128
Warren Rupp	Oct 128
Wilden Pump & Engineering	Oct 128
Witco Corp.	Oct 128
Zeelan Industries	Oct 128
Papers Requested for Room Competition	Jan 41
Partners' Market Will Emerge from a Year of Turmoil — <i>Normand A. Dube</i>	Jan 32
PATENTS	
Acrylic Polyester High Solids Coatings	Oct 186
Aqueous Epoxy Resin Can Coating Compositions	Oct 186
Automotive Paint	Aug 78, April 116, June 80
Carbon Black	June 80
Chip- and Abrasion-Resistant Polyurethane Coating Composition Having Improved Adhesion	June 80
Coating Composition	Apr 116, July 52, Aug 78, Dec 64, June 80, July 52
Coatings for Base Coatings	Sept 54
Color-Keyed Guide Coat	May 74
Control of Yellow Color in Polyether Polyols	Oct 186
Corrosion-Inhibiting Coating	Nov 74
Cover For Coating Tanks	Oct 188
Electrodeposition Resinous Paint Composition	Dec 64, June 80, Sept 54, May 74
Fiber Having Thermoplastic Resin Coating	Oct 188
Heat-Curable Coating Agent and Cathodic Electrocoating	Dec 64, June 80, Sept 54, May 74
High-Gloss Coating	Oct 188
High-Solids Coating	Oct 188
Metallic Coating Method	Oct 188
Method of and Apparatus for Applying Coating Material to a Running Web ..	Oct 186
Method of Applying an Impact Resistant Moisture Impermeable Resinous Coating	Nov 74
Method of Applying Carrier Films Pre-painted with Metallic Paint to Automobile Body Panels	Nov 74
Method of Stabilizing Epoxy-Polyamide Coatings	Nov 74
Nebulizable Coating Compositions for Fluorine-Doped Tin Oxide Coatings ..	Dec 64
Nitrocellulose-Urethane Traffic Paint ..	Oct 186
Non-Aqueous Solventless Polyester Varnish	Sept 54, Aug 78
Paint Booth Coating Composition	Sept 54, Aug 78
Paint Removal Using Oil-in-Water Emulsions	Sept 54, Aug 78, July 52
Paint Stripping	Sept 54, Aug 78, July 52
Painting Process	Nov 74
Photo-Hardenable Composition for Bioactive Coatings	April 116, Aug 78, May 74, Oct 186, July 52
Pigment Composition	Nov 74
Pigment Preparation Process	Nov 74
Polyester Primer Composition	Nov 74
Polyurethane Coating	Nov 74
Porous Roll Fluid Coating Applicator and Method	Nov 74
Powder Coating	Nov 74
Process for Coating Metallic Substrate ..	Oct 187
Process for Coating Steel Panels	Oct 187
Protective Coating	Oct 188
PVDF-Based Powder Coatings	Nov 74
Radiation-Curable Ink	Sept 54
Solvent Soluble Fluorine-Containing Polymer	Sept 54, July 52
Titanium Dioxide Pigment	June 80
Treatment of Clays with Cationic Polymers To Prepare High Bulking Pigments	April 116, Aug 78, May 74, July 52, April 116
VOC Abatement	May 42
Water-Based Coating Compositions ..	May 42
Water-Reducing Method	May 42
Water-Reducible Coating	May 42
Wire Wheel Impeller	May 42
Pennwalt Corp. Grants License to Reliance Universal Inc.	May 42
Pennwalt Corp.'s Organic Chemicals Division Expands Michigan Plant	May 42
PICO Chemical Corp. Appoints Representatives	May 42
"Picture it Painted" Brightens U.S. Cities	Oct 22
PILCHER, GEORGE R.	June 34
Chemical Coatings in the Eighties: Trials, Tribulations and Triumphs	Dec 14
PIPP Contractors Contest Accepting Submissions	Dec 14
Pittsburgh Paints Announces Price In-	

creases	Apr 40
Polychem, MTD/WHT Form Joint Venture	Sept 10
Polyurethane Coatings Offer Functional, Durable Results — <i>Volker Mirgel</i>	July 33
Polyvinyl Chemicals Is Now ICI Resins US	June 10
Portugal's President Visits Nova Paint Club	Oct 20
Powder Coatings Market Charging Into the Future	Nov 48
POWELL, KATHY L.	May 56
Water-Borne Epoxy Resins: A Versatile Formulating Tool	Mar 53
PPG, China Form Joint Venture	Oct 24
PPG Expects Record 1988 Earnings	May 42
PPG Industries Purchases JME Chemical	June 30
PPG Industries Reports First Quarter Earnings	June 10
PPG Industries Will Change Its Logo ..	Oct 16
PPG Opens Center in N. Carolina	Dec 16
Pratt & Lambert Buys Adhesives Producer	July 14
Pratt & Lambert Reports Strong First Quarter	May 12
Pratt & Lambert Shows Record Earnings, Sales	Jan 36
Product Stewardship Ushers in New Era of Responsibility — <i>Stanley L.S. Dombrowski</i>	

Q

Quantum Chemical Corp. Announces 1987 Fourth Quarter Income	June 30
Quantum Chemical Corp. Files Shelf Registration With SEC	May 42
Quantum Chemical Corp. Reports First Quarter Income	June 30
Quantum Modernizes Three Major Plants	June 10

R

R&D Expenditures To Increase in 1988 ..	Feb 45
Ray Lyman & Co. to Represent Quaker Division	May 40
Recyclene Products Inc. Acquires Disti Environmental Systems	May 40
Red Devil Inc.'s Machinery and Instrument Division Names Technical Sales Rep and Distributor	May 40
Regulations Still Stir Production and Profits — <i>Pam Auchmuty</i>	Jan 26
Reichhold Chemical Inc.'s Emulsion Polymers Division Announces Price Increase	May 40
Reichhold Chemicals Forms New Division	July 14
Reichhold Has Added Polychrome Chemicals	Apr 35
Reichhold Modernizes Chicago Resin Plant	July 16
Reichhold Names Loh Division President	May 12
RICHARDSON, FRANK B.	Apr 84
Water-Borne Epoxy Coatings — Past, Present and Future	Mar 53
Rohm and Haas Announces New Facility	Oct 17
Rohm and Haas Increases Annual MMA Capacity	July 14
Rohm and Haas Opens Coating Resins Plant	May 12
Rohm and Haas Wins Trade Secrets Case	May 40
Roper Organization Launches Syndicated Studies Series	June 67
RUSSELL, LEE C.	
Valuing the Closely Held Paint Manufacturer	

S

Sannor Industries Offers Pigment Dispersion Line	May 12
Sandoz Relocates Research Center	Mar 50
SARGENT, JAMES D.	Sept 41
Synthesis of Acrylic HSC Resins With Peroxides Containing Hindered Amine Light Stabilizers	May 61
Satellite Filtration System Solves Automobile Coating Problem	July 36
Scientific "Dirt Detection" On the Auto Paint Line — <i>Kevin A. Lockwood and Steven R. Wickham</i>	Feb 48
SCM Chemicals Announce 1988 Price Increases	Jan 34
SHANNON, W. RICHARD	June 30
Hazardous Waste Will Be the No. 1 Concern in 1988	Nov 14
Sheen Instruments Ltd. Now Distributes in North America	June 10
Shell's Hydrotreater Yields Quality Solvents	
Sherwin-Williams Plans Expansion In Illinois	

Silane Treatment Developed by Petrarch	May 14
Southern Clay Products Expands Facilities	Apr 36
SSPC Conference To Be Held Nov. 13-17	July 16
Standards Revised For Paint Testing	Dec 14
STEVENS, VIOLET L.	June 62
Moisture Vapor Barrier Latex For Primer Sealers and Undercoats	Feb 32
STOREY, ROBSON F.	June 50
Alumina Trihydrate Trims TiO ₂ Costs In Flat Latex Paint	Apr 35
SUGERMAN, GERALD	Jan 38
Alkoxy Titanates and Zirconates As Corrosion Inhibitors	Apr 38
Sun Chemical Ups Capacity of Phthalate Blue	Apr 64
Supply-Side Technology Improves Performance and Reduces Costs — <i>Thomas E. Clausius</i>	Sept 41
Surface Analyzer System Available From Ashland	
SWEET, JACK	
Chemical Waste Disposal: How To Meet Your Responsibilities	
Synthesis of Acrylic HSC Resins with Peroxides Containing Hindered Amine Light Stabilizers — <i>Peter A. Callais, et. al.</i>	

T

Technical Advances Spur Growth Of Powder Coatings Industry — <i>Greg Bocchi</i>	June 49
Technology of Powder — <i>Mack Muhlenkamp</i>	Nov 52
Thomas Resigns as NPCA Executive Director	Mar 48
Tin-Based Paint Ban Is About To Become Law — <i>Kim Beury</i>	Apr 82
Titanium Dioxide Pigments: In White-Hot Demand Worldwide — <i>Fred W. Montanari</i>	Aug 52
20 Countries Represented At Conference in Greece	Dec 14

U

UCB and RTZ Chemicals Sign Joint Agreement	Oct 18
UCB, Daicel Enter Joint Venture	Aug 19
Union Carbide Plant Wins Safety Award	Feb 45
Union Carbide Buys Hydroxyethyl Business	Mar 50
Union Carbide Expands Latex Capacity	Oct 20
Union Carbide Rep Testifies Before Committee	May 16
U.S. Delegation to Visit China	Oct 24
U.S. Signs Pact To Reduce CFCs	Jan 40
Using Infrared Spectroscopy For Structural Studies of Lecithin — <i>Dr. Max Kronstein</i>	Nov 40

V

Valuing the Closely Held Paint Manufacturer — <i>Lee C. Russell</i>	June 67
Vapor Technologies Inc. Purchases Wedtech Corp.'s High Technology Coatings Division	Apr 40
Vinyl Modified Epoxy Coatings — <i>Thomas Ginsberg</i>	Nov 32
Volstic Int'l Ltd. Announces a Recent Ownership Change	June 10

W

Wallcovering Contest Offers Recognition, Cash	Dec 16
Water-Borne Epoxy Coatings — Past, Present and Future — <i>Frank B. Richardson</i>	Apr 84
Water-Borne Epoxy Resins: A Versatile Formulating Tool — <i>John E. Barnett and Kathy L. Powell</i>	May 56
Western Societies Predict Largest Show	Nov 14
Westinghouse Offers Nuclear Plants Coatings	May 14
Westinghouse Will Offer Anti-Radiation Paints	Apr 35
WICKHAM, STEVEN R.	July 36
Scientific "Dirt Detection" On the Auto Paint Line	May 12
Williams Holdings Acquires Kwai-Howells	Mar 53
Witco Expands Production Capacity	July 18
Witco Reports High Sales, Lower Earnings in 1987	

Y

You Need Patience To Survive In The World Marketplace — <i>Gerald Duggan</i>	June 32
--	---------